STANDARD EROSION CONTROL NOTES

General:

- 1. On-site erosion control measures shall be the responsibility of the Contractor.
- 2. In case erosion or sedimentation occurs to adjacent property, all construction work within the development that will aggravate the situation must cease and the Contractor shall immediately commence restoration or mitigation measures. Restoration activity shall continue until such time as the problem is rectified.
- All erosion and sedimentation control devices shown on this drawing shall be installed prior to or as the first stage of site preparation. As the work progresses, adjust impacts to erosion and sedimentation control devices to Hylebos Creek.
- 4. Should the temporary erosion and sedimentation control measures as shown on this drawing not prove adequate to control erosion and sedimentation, the Contractor shall install additional facilities as necessary to protect adjacent properties, sensitive areas, natural water courses, and/or storm drainage systems.
- 5. In any area which has been stripped of vegetation or experienced land disturbing activities and where no further work is anticipated for a period exceeding the listed criteria, all disturbed areas must be immediately stabilized with mulching, grass planting, or the approved erosion control treatment applicable to the time of year in question. Grass seeding alone will be acceptable only during the months of April through September, inclusive. Seeding may proceed, however, whenever it is in the interest of the Contractor, but must be augmented with mulching, netting, or other treatment.
- 6. The Contracting Officer's Representative will be responsible for field locating the clearing limits and establishing those boundaries with bright colored flagging. The Contractor shall clear to the limits as established on this plan and as flagged in the field.
- 7. The Contracting Officer's Representative shall be responsible for the inspection and acceptance of all clearing and grading work and erosion and sedimentation control facilities. The Contractor shall notify the Contracting Officer's Representative forty-eight hours in advance of each required erosion and sediment control inspection.

Inspection No. 1 - Installation of initial erosion control facilities/prior to clearing.

Inspection No. 2 - Completion of clearing.

Inspection No. 3 - Upon completion of excavation, filling, and earthwork & prior to diverting flow.

Inspection No. 4 - Completion of project.

- 8, All work associated with stabilizing the disturbed areas shall be in accordance with the Washington Department of Ecology 1992 Stormwater Management Manual,
- All necessary facilities shall be maintained on-site to prevent debris, dust, and mud from accumulating on the public right-of-way.

Silt Fences:

- Filter fabric shall be purchased in a continuous roll and cut to the length of the barrier to avoid use of joints. When joints are necessary, filter cloth shall be spliced together only at a support post, with a minimum 6-inch overlap, and securely fastened at both ends to posts.
- $2.\ Posts$ shall be spaced a maximum of 6 feet apart and driven securely into the ground (minimum of 30 inches).
- 3. A trench shall be excavated approximately 8 inches wide and 12 inches deep along the line of posts and upslope from the barrier. This trench shall be backfilled with washed gravel.
- 4. When standard strength filter fabric is used, a wire mesh support fence shall be fastened securely to the upslope side of the posts using heavy-duty wire staples at least 1 inch long, tie wires or loog rings. The wire shall extend into the trench a minimum of 4 inches and shall not extend more than 24 inches above the original ground surface.
- 5. The standard strength filter fabric shall be stapled or wired to the fence, and 20 inches of the fabric shall be extended into the trench. The fabric shall not extend more than 24 inches above the original ground surface. Filter fabric shall not be stapled to existing trees.
- 6. When extra-strength filter fabric and closer post spacing is used, the wire mesh support fence may be eliminated. In such a case, the filter fabric is stapled or wired directly to the posts with all other provisions of above notes applying.
- Filter fabric fences shall not be removed before the upslope area has been permanently stabilized.
- 8. Filter fabric fences shall be inspected immediately after each rainfall and at least daily during prolonged rainfall. Any required repairs shall be made immediately.

Straw Bales:

- 1. Bales shall be placed in a single row, lengthwise, on the contour, with ends of adjacent bales tightly abutting one another.
- All bales shall be either wire-bound or string-fied with bindings oriented around the sides rather than the tops and bottoms of the bales. This will prevent rapid deterioration of the bindings.
- 3. The barrier shall be entrenched and backfilled. A trench shall be excavated the length and width of the proposed barrier to a depth of at least 4 inches. After the bales are staked and cracks between bales chinked with extra straw as necessary, the excavated soil shall be backfilled against the barrier. Backfill soil shall conform to the ground level on the downhill side and shall be built up to 4 inches against the uphill side of the barrier.
- 4. Each bale shall be anchored by at least two (2) stakes or rebars driven through the bale. The first stake in each bale shall be driven towards the previously laid bale in order to farce the bales toachter.

Stockpiles:

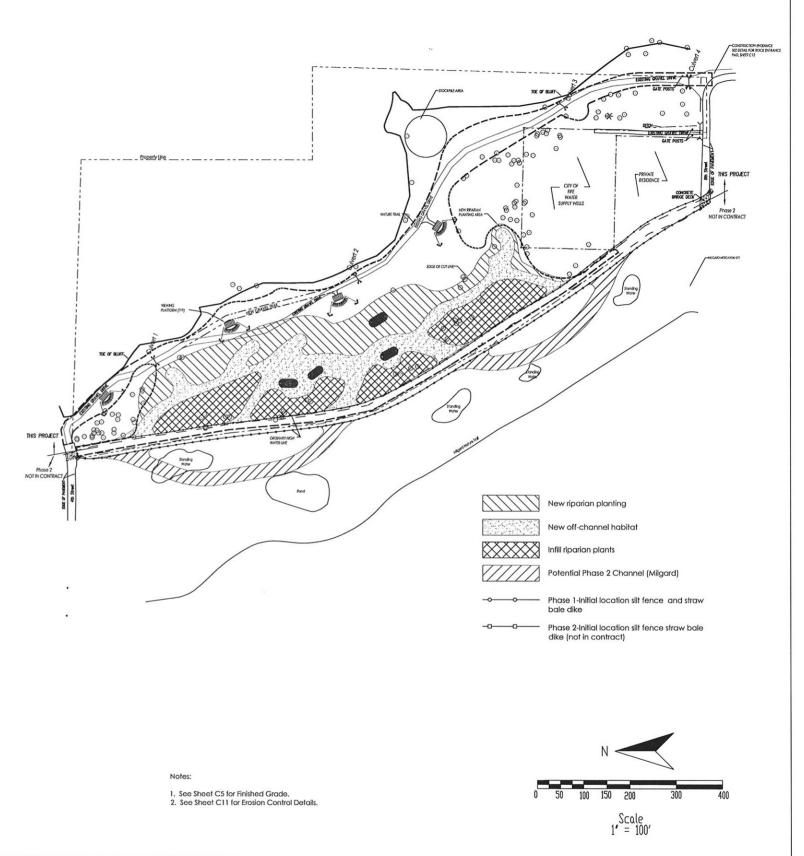
- Stockpiles shall be stabilized (with plastic covering or other approved device)
 daily between November 1 and March 31.
- 2. In any season, sediment leaching from stockpiles must be prevented.
- Amended growth media shall not be placed while in a frozen or muddy condition, when the subgrade is excessively wet, or when conditions exist that may otherwise be detrimental to proper grading or proposed sodding or seeding.
- 4. Previously established grades on the areas to be supplied with amended growth media shall be maintained according to the approved plan.

Construction Entrances:

- Material shall be 4 inch to 8 inch quarry spalls and may be top-dressed with 1 inch to 3 inch rock.
- 2. The rock pad shall be at least 12 inches thick and 50 feet long. Width shall be the full width of the vehicle ingress and egress area.
- 3. Additional rock shall be added periodically to maintain proper function of the
- 4. If the pad does not adequately remove the mud from the vehicle wheels, the wheels shall be hosed off before the vehicle enters a paved street. The washing shall be done on an area covered with crushed rock and wash water shall drain to a sediment retention facility or through a slit fence.

Construction Sequence for Erosion Control related activities - See sheet C2 for detailed Sequence of Work

- 1. Hold a pre-construction meeting to review erosion control requirements.
- 2. Flag clearing limits
- 3. Grade and install construction entrance.
- 4. Install initial perimeter protection.
- 5. Inspect and maintain erosion control measures for duration of project
- 6. Clear and grub existing vegetation.
- 7. Excavate and remove soil to achieve the depth required for the side channels and wellands area. A soil berm at the mouth of the side channel inlets shall be left in-place during this phase of construction to keep these channels separated from the Hylebos Creek.
- 8. Install large woody debris and boulders at the toe of the slope in each as shown on sheet C4.
- 9. Place a six-inch lift of "fish rock" (1 1/2 -inch minus crushed rock) in the side channels and creek bank to stabilize the soil and slope,
- 10. Excavate and remove the berms to connect the side channels to the creek.
- 11. Scarify the surface of all areas to recieve growth media to a minimum depth of 4-inches.
- 12. Place and moderately compact 8-inches of amended growth media in designated planting areas.
- 13. Install erosion control matting over areas with amended growth media.
- 14. Remove temporary erosion control measures.
- 15. Conduct a general site cleanup.
- 16. Install plants at the beginning of the following growing season (by others).



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	DATE OF ISSUE	1/19/2004	
	DESIGNED BY	SMA	
	DRAWN BY	HMG	
	CHECKED BY	CHW	
	APPROVED BY	BAR	

HYLEBOS CREEK OFF-CHANNEL RESTORATION
FORMER JORDAN PROPERTY
FIFE, WA

Erosion Control Plan

C10
Project No.
460H5